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(54) Title: A POLYURETHANE RESIN DERIVED FROM POLYHYDROXYLATED RESINS

(57) Abstract: The present invention is related to a polyurethane resin being the reaction product of at least one diisocyanate and a group of components having isocyanate reactive functional groups, said group of components comprising a first group of one or more polyether polyols each having an average molecular weight in the range of between 400 to 12000 g/mol, a second group of one or more polyhydroxylated resins selected from the group consisting of ketonic resins, polyester resins, acrylic-styrene copolymers, acrylic polyols, rosin derivatives and terpene-phenolic resins, optionally a third group of one or more polyols each having an average molecular weight of equal or less than 800 g/mol, and at least one amine and a reaction terminating agent, wherein the ratio of the equivalent weights of the diisocyanate to the components having isocyanate reactive functional groups is selected such that essentially all of the isocyanate groups of the diisocyanate are present as the reaction product with one of said isocyanate reactive functional groups.